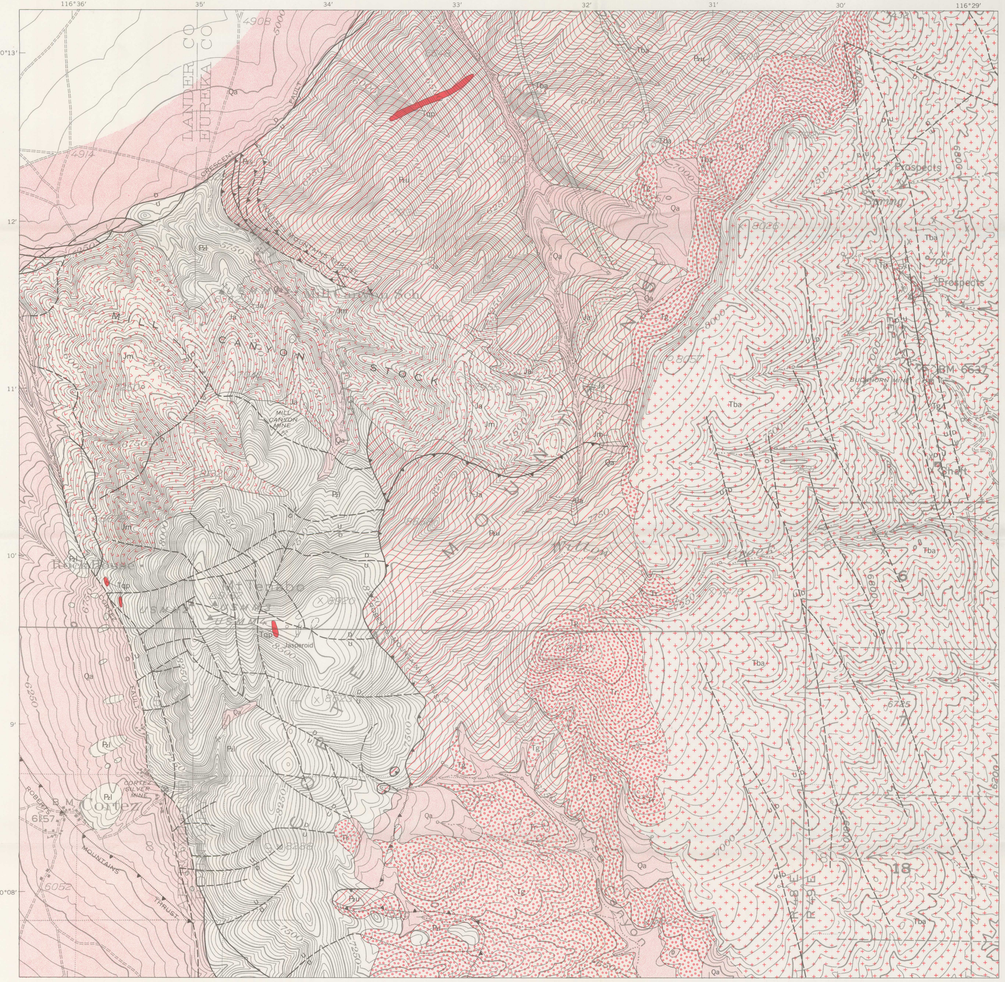


GEOLOGIC MAP

EXPLANATION

Patterns for geology shown in red on geologic map and in black on geochemical map

QUATERNARY

Qa — Alluvium, colluvium, terrace, pediment, and landslide deposits

TERTIARY

Tap — Rhyolite flows and plugs

Tba — Basaltic andesite flows and dolerite dikes

Tbf — Gravel

Tap — Quartz porphyry dikes

JURASSIC

Jm — Mill Canyon stock
Quartz monzonite and granodiorite
Ja satellite bodies of alaskite

PALEOZOIC

Pzu — Upper plate siliceous facies
Sedimentary rocks consist of Silurian Fourmile Canyon Formation and Ordovician Vinini Formation

Pzs — Sedimentary rocks undifferentiated
In thrust-fault zone

Pzl — Lower plate carbonate facies
Sedimentary rocks consist of Devonian Nevada Formation, Silurian Roberts Mountains Formation, Ordovician Hanson Creek Formation and Eureka Quartzite, and Cambrian Hamburg Dolomite

Contact
Dashed where approximately located; dotted where concealed

High-angle fault
Dashed where approximately located; dotted where concealed. U, upthrown side, D, downthrown side

Thrust fault
Dashed where approximately located; dotted where concealed. Sawteeth on upper plate

Mine

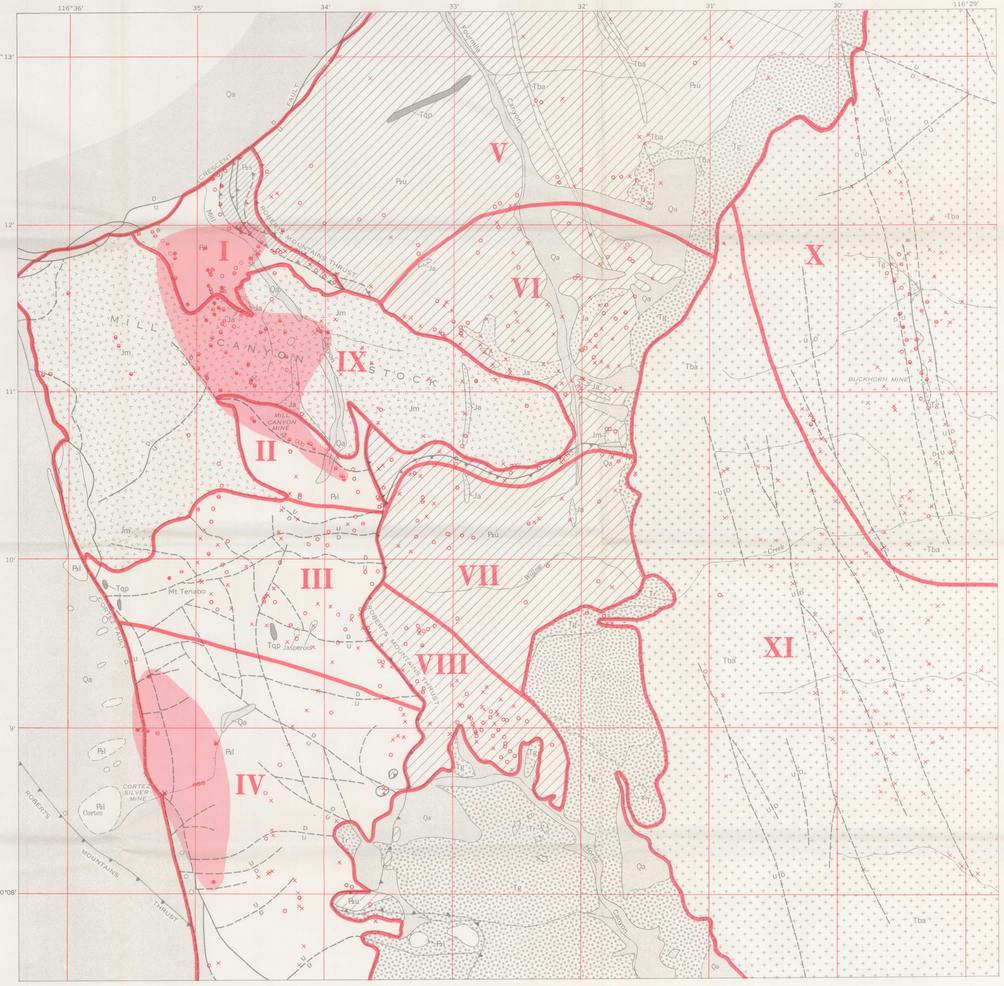
SILVER
In parts per million

<0.5
0.5 to 4
5 to 49
50 to 500
>500

Maximum concentrations of all samples at each locality shown by symbol. Red patterned areas indicate prominent anomalies

Tract

I, *Lower Mill Canyon*
II, *Upper Mill Canyon*
III, *Mount Tenabo*
IV, *South Ridge*
V, *Lower Fourmile Canyon*
VI, *Upper Fourmile Canyon*
VII, *Willow Creek*
VIII, *Horse Canyon*
IX, *Mill Canyon stock*
X, *Buckhorn*
XI, *Southwest basaltic andesite*



SILVER

Base from U.S. Geological Survey, 1:62 500: Cortez quadrangle, 1938; and Horse Creek Valley quadrangle, 1957

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1979—G70187

Geology generalized and modified by J. D. Wells and J. E. Elliott, from Gilully and Masursky (1965) and Masursky (unpublished data)

GENERALIZED GEOLOGIC MAP AND GEOCHEMICAL MAP SHOWING DISTRIBUTION OF SILVER, CORTEZ–BUCKHORN AREA, LANDER AND EUREKA COUNTIES, NEVADA

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 AND 50 FEET
DATUM IS MEAN SEA LEVEL